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State Emergency Management Agency (SEMA) Floodplain Management Section

Issue 3 - FY 2020 - Floodplain Management E-Bulletin

It's the third quarter of Fiscal Year 2020 and time for the third FY20 *Missouri Floodplain Management E-Bulletin*! The entire Floodplain Management staff at the Missouri State Emergency Management Agency has been very busy this quarter working to help our Missouri communities. Travel restrictions from the coronavirus (COVID-19) pandemic did not keep the Floodplain Management staff from doing our utmost to serve our NFIP communities every day. We, (Karen, Linda, Lynn, and Roger) are looking forward to getting back to normal, continuing to serve our NFIP communities to the best of our ability!

We're always looking for flooding photos, elevated structure photos, projects demonstrating stormwater management techniques and "green" projects, so please share them with us! Be sure to include your name, the location, and the date of the photo. Send photos to: karen.mchugh@sema.dps.mo.gov



Photo: K McHugh - Jefferson City, 2019
Flooded State Building—Airplane hanger

The Floodplain Management Section Welcomes Roger Connell, CFM

The State Floodplain Management Section offers a warm welcome to Roger Connell, who recently joined our Floodplain Management team! Roger is working part-time to help the Floodplain Management Section prepare our FEMA Floodplain Management Section audit, expected sometime in Fiscal Year 2022, and with many other important tasks.

You might recognize Roger, who worked as SEMA's Floodplain Management Officer from 1994 until 2006 before going to work for FEMA. He retired from FEMA on January 1, 2020.

Roger was among the very first to be certified by ASFPM as a CFM (Certified Floodplain Manager) in 1997, and has kept his certification active all these years. Roger comes to us hitting the ground running with a wide variety of NFIP knowledge and training skills.

Welcome Roger!



The Floodplain Management Section is announcing an outstanding virtual training opportunity!

Elevation Certificate (EC) Basics: How to Complete the FEMA EC Correctly for Everyone!

We are offering 2 **FREE** 8-hour EC workshops on Thursday, April 29, 2021 and on Friday, April 30, 2021. The courses will take place from 9:00am to 4:30pm both days. Please, only register for one workshop!

To register for the Thursday, April 29th workshop, please follow this link:

<https://register.gotowebinar.com/register/7427631368059050252> OR

To register for the Friday, April 30th workshop, please follow this link:

<https://register.gotowebinar.com/register/5804397063205835020>

The courses are limited to **50** attendees each. Thursday's workshop is full, but there are plenty of spots left for Friday's workshop.

Approved for CECs: 6—CFM. Depending on state/agency reciprocity: 6—PE, 6—PLS, 6—BO/BI, 0.6—ICC.

COURSE DESCRIPTION:

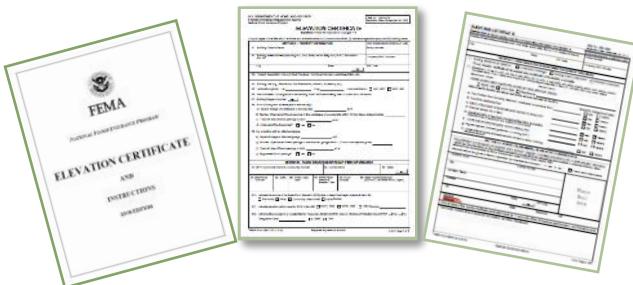
This course will:

- Provide detailed training on completing a FEMA Elevation Certificate (EC) accurately and in its entirety, allowing full compliance with any program that requires submission of an EC.
- Review the EC and provide guidance on implementation and use.
- Cover EC requirements for surveying, foundation flood openings, and certification.
- Review the Community Rating System (CRS) requirements for an EC and those portions that can differ from other programs.
- Identify the portions of the EC instructions that should not be used, in order to achieve full compliance with all programs.
- Include common errors and omissions, review of the various EC building diagrams, and real world examples.

COURSE OBJECTIVES:

- Learn to complete a FEMA EC in order to satisfy the requirements of any program.
- Understand the data needs for each individual EC section.
- Understand the local official's role in reviewing ECs for accuracy and compliance purposes.
- Understand how the EC is used by CRS.
- Change attendee's approach to ECs from 'minimum needs' to 'best practice'.
- Avoid common mistakes that can invalidate the EC for certain programs.
- Learn how to avoid errors that are causing many communities to miss the mandatory CRS EC prerequisites.

Meet the Elevation Certificate (EC) Basics instructor Del Schwalls. Del is a Professional Engineer, a Certified Floodplain Manager, President of Schwalls Consulting LLC , ASFPM's Regional Director for Region 4, and was part of the ASFPM Elevation Certificate Workgroup that evaluated and advised FEMA regarding the 2019 Elevation Certificate form prior to its release.



The Floodplain Management Section's Annual Training Brochure has been mailed, and the Floodplain Management team has already begun checking workshops off the list! Continuing education is so important, and we strive to make all of our workshops fun while learning more about the NFIP.

The **2021 Tools of Floodplain Management** workshop is a 2-day course designed for local floodplain administrators. It covers various important issues as well as day-to-day activities, incorporating updated NFIP information and forms. This course is designed to provide basic knowledge of the National Flood Insurance Program. We recommend that those wishing to take the Certified Floodplain Managers exam complete the Tools of Floodplain Management workshop prior to taking the CFM exam.

Listed below is the 2021 schedule:

May 19, 2021 and May 20, 2021

July 7, 2021 and July 8, 2021

September 15, 2021 and September 16, 2021

The first day of the workshop starts at 1:00 pm and ends at 5:00 pm. The second day runs from 8:00 am to 3:00 pm. The workshops will be held at the Jefferson City Police Department, 401 Monroe Street, Jefferson City, Missouri.



The **SDE 3.0** workshop will be presented in 2021 at several different venues. If you have interest in hosting an SDE 3.0 workshop, please contact Linda Olsen: 573-526-9115.

This workshop has proven valuable in helping communities with the NFIP SDE requirements.

June 9, 2021— Cooper County: Cooper County Fire Dept., 17010 Highway 87, Boonville, MO.

July 22, 2021— Pemiscot County: Steele City Hall Community Center, 101 S. Walnut St., Steele, MO.

August 11, 2021— Newton County: The Civic, 109 W. Main, Neosho, MO.

September 22, 2021— Holt County: Mound City Hall Council Chambers, 205 E. 6th St., Mound City, MO.

October 14, 2021— Marion County Home Bank, 3817 McMasters Ave, Hannibal, MO.

NFIP Training Workshop and the Certified Floodplain Managers (CFM) Exam:

July 15, 2021 NFIP Training Workshop 1:00pm - 5:00pm
July 16, 2021 CFM Exam 9:00am - 12:00pm

Sep. 1, 2021 NFIP Training Workshop 9:00am - 12:00pm
Sep. 3, 2021 CFM Exam 9:00am - 12:00pm

Nov. 18, 2021 NFIP Training Workshop 1:00pm - 5:00pm
Nov. 19, 2021 CFM Exam 9:00am - 12:00pm

The Certified Floodplain Managers Exams are given at the State Emergency Management Agency:

2302 Militia Drive, Jefferson City, MO.

with the exception of the September 3rd exam. This exam (and the accompanying September 1st NFIP Training workshop) will be given at the Annual MfS-MA Conference. Exam registration must be completed and submitted - with the application fee - to the Association of State Floodplain Managers (ASFPM). The application is available online at: www.floods.org



March 2021 CFM Exam Candidates

The CRS Corner From FEMA Region VII's CRS Coordinator Todd Tucker

News regarding Region VII's 2nd annual CRS Symposium, CRS coordinators Manual Addendum '21 and training:

On March 17, 2021, FEMA Region VII held its second annual CRS symposium. The Symposium topics included: *2021 Climate Outlook, Historical and Future Trends, CRS Trends, Training, Credit Opportunities, CRS and GIS in KS and beyond, CRS Natural Functions of Floodplains, CRS Activity 510 USACE/Silver Jackets, USDA NRCS programs, BRIC and Mitigation opportunities, CRS Taskforce Update, Beyond the CRS Addendum - looking forward, 2021 and beyond, and CRS on Compassion: Flood Mitigation Champions, Networks, and 'Soft Skills'*. The sessions were recorded and will be made available at :

[USACE: silverjackets/CRS-Symposium-2021](https://usace.silverjackets/CRS-Symposium-2021). Feel free to visit or re-visit the web site and view these excellent presentations.

Thanks to all the attendees, speakers, and the Silver Jackets team for their virtual support. The Symposium was a wonderful success!

As you know, the 2017 CRS Coordinators Manual was been amended with Addendum '21 information, and is available at:

(<https://www.fema.gov/floodplain-management/community-rating-system>).

Frequently asked questions about Addendum '21 are available at:

https://www.fema.gov/sites/default/files/documents/fema_community-rating-system_coordinator-manual_addendum-2021_FAQs.pdf.

Note: Many of the resources that were once available at [CRSresources](#) have been relocated to the FEMA CRS website [National Flood Insurance Program Community Rating System](#), (or soon will be). In addition, ISO has developed Training & Videos related to the Addendum, [Click here](#) and type "CRS" in the search field to view webinars that are now open for registration.

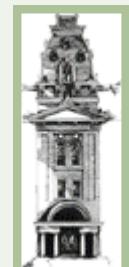


Emergency Management Institute (EMI) "In-person" Training Opportunities:

Floodplain Management Course:

E0273 Managing Floodplain Development through the NFIP:

April 6-9; May 24-27; June 28-July 1; August 30 – September 2



Hazard Mitigation Assistance (HMA) Courses:

E0213 HMA Application Review and Evaluation

September 27-28

[E0214 HMA Project Implementation and Programmatic Closeout](#)

September 29-30

SEMA's Floodplain staff highly recommends FEMA's Emergency Management Institute (EMI) Independent Study Courses ([Distance Learning](#)) offered online:

[IS-273 How to Read a Flood Insurance Rate Map \(FIRM\)](#)

[IS-274 How to Use a Flood Insurance Study \(FIS\)](#)

[IS-0285 Substantial Damage Estimation \(SDE\) for Floodplain Administrators:](#)

[IS-1119 Letters of Map Amendment \(LOMAs\) and Letters of Map Revision-Based on Fill \(LOMR-Fs\):](#)

To learn more and to register, visit this [link](#) for the Independent Study Program Course Brochure.

ASFPM & MfSMA Updates

2021 ASFPM Virtual Conference

ASFPM invites you to join flood-risk professionals from all over the world for our 45th annual conference, taking place VIRTUALLY May 10-14, 2021.

The Association of State Floodplain Managers will convene the world's largest and most comprehensive floodplain management conference – its 45th annual gathering on May 10-14, 2021 in a virtual setting. ASFPM invites you to share your experiences with local, state, regional, tribal and federal officials, industry leaders, consultants and a wide variety of subject matter experts from diverse fields.

The conference is conducted by the ASFPM, the world's leading voice for sound floodplain management, with 18,000+ practitioners, 10,000 Certified Floodplain Managers, 36 chapters and 73 corporate and agency Partners world-wide. Early Discount (until April 30): \$350.00 for ASFPM Members and \$400 for Non-members.

[About ASFPM Conference](#)

[**Register Now**](#)

2021 MfSMA Annual Conference

September 1 - 3, 2021

Margaritaville Lake Resort (FKA Tan-Tar-A Resort) – Osage Beach, Missouri

Conference Theme:

2021 Show Me Resiliency

Full Conference Brochure

Registration & Vendor Information at

www.mfsma.org

Target Audiences Include: Federal, state or local community officials with regulatory responsibility for floodplains and stormwater management, building codes and community planning, design professionals, GIS and engineering professionals, land surveyors, insurance professionals, mortgage lenders, and relators involved in flood insurance issues.

Mission Statement of the Floodplain Management Section:
The mission of Missouri's comprehensive floodplain management program is to make the State and its citizens less vulnerable to the impact of flooding through the effective administration of statewide floodplain management and to provide local communities with the tools and resources for managing, assessing, and planning for development in floodprone areas; to save lives; and to protect property.



Get social with SEMA!



@MoSEMA_



@MissouriSEMA

sema.dps.mo.gov

Other Contact Information

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Variances: To Grant or Not to Grant

Granting relief from the requirements of a community's floodplain management regulations is called a "variance." If you have ever attended SEMA's capstone NFIP training course *Tools of Floodplain Management*, you have heard floodplain staff firmly say that a community should NOT grant variances. This is because variances place people and property at risk and flood insurance costs skyrocket. In other words, when a community grants a variance, it is going to permit development in a manner that would otherwise be prohibited or would be a violation of the local floodplain management ordinance.

The most common type of variance is for a structure's lowest floor to be placed below the freeboard requirements found in the community's floodplain management ordinance. NFIP regulations provide for granting variances in the following situations:

- 1) A structure individually listed on the Federal or State Register (Missouri does not have a State Register) of Historic Places is not required to meet the elevation requirement when it is substantially improved, provided the modifications do not preclude the structure's continued designation as a historic structure.
- 2) A functionally dependent use, in which the use of the building is absolutely dependent on its close proximity to water, may be excluded from the elevation requirement, provided that acceptable methods of wet floodproofing are incorporated into the design.
- 3) The placement of accessory or agricultural structures in the Special Flood Hazard Area.

****A variance must NOT be granted for ANY development located within the regulatory floodway unless a "No-Rise" certification has been obtained first.**

If a community is considering granting a variance, the following factors must be considered:

- 1) The applicant must show good and sufficient cause for a variance.
- 2) The applicant must show that it will suffer hardship if denied the variance.
- 3) The variance will not cause increased flood heights, additional threats to public safety, extraordinary public expense, create nuisances, cause fraud on or victimization of the public, or conflict with other State and local laws or ordinances.
- 4) The variance granted must be the minimum necessary, considering the flood hazard, to afford relief.
- 5) Additional conditions may be added to mitigate any possible detrimental effects of granting the variance. Other property owners cannot be adversely affected in any way.

All variance requirements can be found in the local floodplain management ordinance. For further guidance from FEMA, download [FEMA P-993](#).

Floodplain staff has recently updated the 2005 Variance and Appeal Record form. If your community is considering issuing a variance, a newly updated Variance and Appeal Record form can be found [here](#).